

Special Issue

Sustainability in Nanomaterials and Photonics Research

Message from the Guest Editors

In recent years, the fields of nanomaterials and photonics have witnessed remarkable progress, enabling breakthroughs in numerous scientific and technological domains, including advanced electronics, biomedical diagnostics, and environmental remediation. These advancements have sparked a growing interest in exploring sustainable approaches within these research areas. Sustainability has become a paramount concern, emphasizing the urgent need to develop environmentally friendly and energy-efficient solutions. The synergy between nanomaterials and photonics presents an extraordinary opportunity to address sustainability challenges. This Special Issue aims to explore the intersection of sustainability and nanomaterials and photonics research. By focusing on key aspects such as the controllable synthesis of low-dimensional materials using green fabrication techniques, sustainable investigations into the fundamental properties of these materials, and their application in catalysis, energy storage and conversion, sensing, and water purification, this Special Issue will shed light on cutting-edge research efforts that align with the principles of sustainability.

Guest Editors

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Deadline for manuscript submissions

closed (27 October 2024)



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Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

Prof. Dr. Steve W. Lyon

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